

Abstract

A vegetation shredding and dispersal apparatus that comprises a conveying platform, a cutting/agitating mechanism, and a blower apparatus. The conveying platform and the cutting/agitating mechanism are substantially wide enough to simultaneously process 2 or more bales of mulching vegetation, yet the shredding and dispersal apparatus is still narrow enough to meet state and federal vehicle width requirements. The wide conveying platform comprises two or more conveying chain assemblies to introduce the baled vegetation into the rotating cutters/agitators, which are essentially the same width as the conveyor platform. The shredded mulch is then fluidized by the cutters/agitators and then directed to the blower intake by the vacuum created by the blower. The shredded mulch is then ejected from the blower and spread onto newly seeded areas to prevent ground erosion and to promote seed germination. The wider platform conveyor allows more bales of vegetation to be pre-staged and reduces the time expended on reloading the vegetation shredding and dispersal apparatus. The extra width also allows the rapid introduction of multiple bales of hay into the cutters/agitators. This rapid introduction of hay into the shredding and dispersal apparatus allows for quicker and more economical completion of construction, landscaping, erosion control, highway, and similar projects.